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CLAIM AMENDMENTS

- 1. (Currently Amended) An apparatus for use in slider fabrication comprising:
 - at least one fully exposed substrate having an air bearing surface;
 - a plurality of materials exposed on the air bearing surface;
- a plurality of etching devices, wherein the plurality of etching devices comprise a physical etch component and a chemical etch component, further wherein the physical etch component is a broad ion beam; and
- a controller for directing the physical etch component and the chemical etch component at the air bearing surface, wherein the physical etch component and chemical etch component provides a uniform etch rate throughout the plurality of materials
- 2. (Original) The apparatus of claim 1, wherein the plurality of materials comprise:
 - a first portion comprising AlTiC;
 - a second portion comprising transducing materials; and
 - a third portion comprising alumina.
- 3. (Original) The apparatus of claim 1, wherein the physical etch component comprises a primary process gas selected from a group comprising of Ar⁺ and Xe⁺.
- 4. (Original) The apparatus of claim 3, wherein the physical etch component further comprises a high acceleration energy of approximately 100 eV to 5000 eV.
- 5. (Original) The apparatus of claim 1, wherein the chemical etch component comprises a localized flood gas apparatus.
- 6. (Original) The apparatus of claim 1, wherein the chemical etch component comprises a process gas selected from a group comprising of O_2 , F_2 and XeF_2 .
- 7. (Original) The apparatus of claim 1, wherein the chemical etch component comprises a primary process gas selected from a group comprising SF_6 , CP_4 , O_2 .
- 8. (Original) The apparatus of claim 7, wherein the chemical etch component further comprises a low acceleration energy of approximately 100 eV to 500 eV.
- 9. (Original) The apparatus of claim 1 further comprising a stage and a carrier, wherein the plurality of substrates are attached to the carrier and the carrier is attached to the stage, further wherein the stage is connected to the controller.
- 10. (Cancelled) The apparatus of claim 9, wherein the physical etch device is a focused ion beam.
- 11. (Currently Amended) The apparatus of claim 10 9 further comprising a probe attached between the substrate and the controller.

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12. (Original) The apparatus of claim 11, wherein the controller monitors a property level of the substrate, the property level selected from a group comprising cleanliness, resitivity, planarity, and pole tip characteristics.

- 13. (Currently Amended) The apparatus of claim 9 further comprising a shutter system including a phurality of shutters, wherein the shutter system is positioned between the chemical and <u>physical</u> etch device and the substrate, further wherein the shutter system is connected to the controller.
- 14. (Cancelled) The apparatus of claim 13, wherein the physical etch device is a broad ion beam.
- 15. (Cancelled) The apparatus of claim 14 further comprising a probe connected between the controller and the substrate.
- 16. (Cancelled) The apparatus of claim 15, wherein the controller monitors a property level of the substrate, the property level selected from a group comprising cleanliness, resitivity, planarity, and pole tip characteristics.
- 17. (Currently Amended) An apparatus for use in slider fabrication comprising: at least one fully exposed substrate having an air bearing surface;
 - a transducing element on the air bearing surface;
 - a first etching device including a reactant capable of producing a physical etch;
- a second etching device including a reactant capable of producing a chemical and physical etch; and
- a controller for directing the first and second process gas at the air bearing surface, wherein the first and second etching device provide a uniform etch rate throughout the entire air bearing surface.
- 18. (Original) The apparatus of claim 17, wherein the substrate includes a plurality of materials and the plurality of materials comprise:
 - a first portion comprising AlTiC;
 - a second portion comprising transducing materials; and
 - a third portion comprising alumina,
- 19. (Original) The apparatus of claim 17, wherein the physical etch component comprises a primary process gas selected from a group comprising of Ar and Xe.
- 20. (Original) The apparatus of claim 19, wherein the physical etch component further comprises a high acceleration energy of approximately 100 eV to 5000 eV.
- 21. (Cancelled) The apparatus of claim 17, wherein the chemical etch component comprises a localized flood gas apparatus.

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22. (Original) The apparatus of claim 17, wherein the chemical etch component comprises a process gas selected from a group comprising of O₂, F₂ and XeF₂.

- 23. (Original) The apparatus of claim 17, wherein the chemical etch component comprises a primary process gas selected from a group comprising SF₆, CF₄, O₂.
- 24. (Original) The apparatus of claim 23, wherein the chemical etch component further comprises a low acceleration energy of approximately 100 eV to 500 eV.
- 25. (Original) The apparatus of claim 17 further comprising a stage and a carrier, wherein the plurality of substrates are attached to the carrier and the carrier is attached to the stage, further wherein the stage is connected to the controller.
- 26. (Currently Amended) The apparatus of claim 25, wherein the physical etch device is a focused broad ion beam.
- 27. (Currently Amended) The apparatus of claim 26 25 further comprising a probe attached between the substrate and the controller.
- 28. (Original) The apparatus of claim 27, wherein the controller monitors a property level of the substrate, the property level selected from a group comprising cleanliness, resitivity, planarity, and pole tip characteristics.
- 29. (Currently Amended) The apparatus of claim 25 further comprising a shutter system including a plurality of shutters, wherein the shutter system is positioned between the chemical and <u>physical</u> etch device and the substrate.
- 30. (Original) The apparatus of claim 29, wherein the shutter system is connected to the controller.
- 31. (Original) The apparatus of claim 30 further comprising a probe connected between the controller and the substrate.
- 32. (Original) The apparatus of claim 31, wherein the controller monitors a property level of the substrate, the property level selected from a group comprising cleanliness, resitivity, planarity, and pole tip characteristics.
- 33. (Original) A method for producing magnetoresitive heads comprising the steps of:
 providing at least one fully exposed substrate having an air bearing surface, wherein the
 air bearing surface has at least one transducing element;

directing a physical reactant and a chemical reactant at the entire air bearing surface; monitoring a property level of the at least one transducer until the property level of the transducing element reaches a desired level.